PATENT Aty. Dkl. No. AMAT/4714.P1/W&T/WCVD/RKK

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Xi et al.

Serial No.: 09/678,266

Confirmation No.: 4642

Filed:

October 3, 2000

For.

Method and Apparatus for

Depositing Refractory Metal Layers Employing Sequential Deposition Techniques to Form a Nucleation Layer

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

000000

Group Art Unit: 2827

Examiner:

Zameke, D.

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MAY 0 6 2002

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CERTIFICATE OF FAX 37 C.F.R. 1.8

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office to the fax number indicated by the named Examiner, namely, (703) 308-7722, to the attention of the named Examines or Way 6, 2002.

May 6, 2002

B. Todd Patterson

RESPONSE TO OFFICE ACTION DATED APRIL 23, 2002

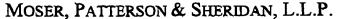
In response to the Office Action dated April 23, 2002, having a shortened statutory period for response set to expire on May 23, 2002, Applicants elect claims 1-14, identified as Invention 1 by the Examiner, with traverse.

THE PENDING CLAIMS:

1. A method for forming a layer on a substrate disposed in a processing chamber, said method comprising:

forming a nucleation layer by serially exposing said substrate to first and second reactive gases; and

forming atop of said nucleation layer, a bulk deposition layer employing vapor deposition to subject said nucleation layer to a bulk deposition of a compound contained in one of said first and second reactive gases.



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DATE:	May 6, 2002	FILE NO:	AMAT/4714.P1/W&T/WCVD/RKK		
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COMPANY:	U.S. Patent Office				
FROM:	B. Todd Patterson		PAGE(S): with cover	6	
MESSAGE:			Original to Follow	☐ YES . [⊠ NO

RESPONSE TO FINAL OFFICE ACTION DATED APRIL 23, 2002

U.S. Serial No.:

09/678,266

Filing Date:

October 3, 2000

Inventor:

Xi et al.

Examiner:

Group Art Unit:

David Zarneke

2827

Confirmation No.:

4642

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